

## Refine Search

### Search Results -

Term	Documents
(4 AND 9).PGPB,USPT,DWPI.	4
(L4 AND L9).PGPB,USPT,DWPI.	4

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
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 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

L11

Refine Search

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### Search History

DATE: Tuesday, February 03, 2004    [Printable Copy](#)    [Create Case](#)

<u>Set</u> <u>Name</u>	<u>Query</u>	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u> result set
side by side			
<i>DB=PGPB,USPT,DWPI; PLUR=YES; OP=ADJ</i>			
<u>L11</u>	l4 and l9	4	<u>L11</u>
<u>L10</u>	l5 and l8	14	<u>L10</u>
<u>L9</u>	l5 and l7	261	<u>L9</u>
<u>L8</u>	vinylidene same fluoride hexafluoropropylene same copolymer	2046	<u>L8</u>

<u>L7</u>	lubricant	217408	<u>L7</u>
<u>L6</u>	l4 and L5	37	<u>L6</u>
<u>L5</u>	l1 and l2 and l3	2428	<u>L5</u>
<u>L4</u>	process same single site same catalyst	557	<u>L4</u>
<u>L3</u>	polypropylene	286356	<u>L3</u>
<u>L2</u>	spunbonded same (nonwoven or non-woven or unwoven or un-woven)	3191	<u>L2</u>
<u>L1</u>	fabric or textile	418030	<u>L1</u>

END OF SEARCH HISTORY

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NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 SEP 09 CA/CAPLUS records now contain indexing from 1907 to the  
present  
NEWS 4 DEC 08 INPADOC: Legal Status data reloaded  
NEWS 5 SEP 29 DISSABS now available on STN  
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NEWS 7 OCT 21 BIOSIS file reloaded and enhanced  
NEWS 8 OCT 28 BIOSIS file segment of TOXCENTER reloaded and enhanced  
NEWS 9 NOV 24 MSDS-CCOHS file reloaded  
NEWS 10 DEC 08 CABA reloaded with left truncation  
NEWS 11 DEC 08 IMS file names changed  
NEWS 12 DEC 09 Experimental property data collected by CAS now available  
in REGISTRY  
NEWS 13 DEC 09 STN Entry Date available for display in REGISTRY and CA/CAPLUS  
NEWS 14 DEC 17 DGENE: Two new display fields added  
NEWS 15 DEC 18 BIOTECHNO no longer updated  
NEWS 16 DEC 19 CROPU no longer updated; subscriber discount no longer  
available  
NEWS 17 DEC 22 Additional INPI reactions and pre-1907 documents added to CAS  
databases  
NEWS 18 DEC 22 IFIPAT/IFIUDB/IFICDB reloaded with new data and search fields  
NEWS 19 DEC 22 ABI-INFORM now available on STN  
NEWS 20 JAN 27 Source of Registration (SR) information in REGISTRY updated  
and searchable  
NEWS 21 JAN 27 A new search aid, the Company Name Thesaurus, available in  
CA/CAPLUS  
  
NEWS EXPRESS DECEMBER 28 CURRENT WINDOWS VERSION IS V7.00, CURRENT  
MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),  
AND CURRENT DISCOVER FILE IS DATED 23 SEPTEMBER 2003  
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NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

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FILE COVERS 1907 - 3 Feb 2004 VOL 140 ISS 6  
FILE LAST UPDATED: 2 Feb 2004 (20040202/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s fabric or textile

91438 FABRIC  
83005 FABRICS  
126461 FABRIC

(FABRIC OR FABRICS)

76023 TEXTILE  
97996 TEXTILES  
128284 TEXTILE

(TEXTILE OR TEXTILES)

L1 199435 FABRIC OR TEXTILE

=> s polypropylene

141017 POLYPROPYLENE  
1896 POLYPROPYLENES

L2 141221 POLYPROPYLENE  
(POLYPROPYLENE OR POLYPROPYLENES)

=> s spunbonded or spun-bonded

618 SPUNBONDED  
1 SPUNBONDED  
618 SPUNBONDED  
(SPUNBONDED OR SPUNBONDED)

40365 SPUN  
3 SPUNS  
40366 SPUN  
(SPUN OR SPUNS)

152024 BONDED  
1 BONDED  
152024 BONDED  
(BONDED OR BONDED)

372 SPUN-BONDED  
(SPUN (W) BONDED)

L3 963 SPUNBONDED OR SPUN-BONDED

=> s process (1)single site catalyst

1897071 PROCESS  
1245706 PROCESSES  
2812598 PROCESS  
(PROCESS OR PROCESSES)

1085631 SINGLE  
2637 SINGLES  
1087888 SINGLE  
(SINGLE OR SINGLES)

501970 SITE  
466394 SITES  
822997 SITE  
(SITE OR SITES)

647300 CATALYST  
651597 CATALYSTS  
828958 CATALYST  
(CATALYST OR CATALYSTS)

628 SINGLE SITE CATALYST  
(SINGLE(W)SITE(W)CATALYST)

L4 92 PROCESS (L)SINGLE SITE CATALYST

=> s vinylidene(1)(fluoride hexafluoropropylene)(1)copolymer

32795 VINYLIDENE  
96 VINYLIDENES  
32822 VINYLIDENE  
(VINYLIDENE OR VINYLIDENES)

226369 FLUORIDE  
42742 FLUORIDES  
241314 FLUORIDE  
(FLUORIDE OR FLUORIDES)

6308 HEXAFLUOROPROPYLENE  
2 HEXAFLUOROPROPYLENES  
6308 HEXAFLUOROPROPYLENE  
(HEXAFLUOROPROPYLENE OR HEXAFLUOROPROPYLENES)

502 FLUORIDE HEXAFLUOROPROPYLENE  
(FLUORIDE(W)HEXAFLUOROPROPYLENE)

516095 COPOLYMER  
172387 COPOLYMERS  
561844 COPOLYMER  
(COPOLYMER OR COPOLYMERS)

L5 398 VINYLIDENE(L)(FLUORIDE HEXAFLUOROPROPYLENE)(L)COPOLYMER

=> s lubricant

60659 LUBRICANT  
67379 LUBRICANTS

L6 92147 LUBRICANT  
(LUBRICANT OR LUBRICANTS)

=> s l1 and l2 and l3

L7 406 L1 AND L2 AND L3

=> s l5 and l7

L8 0 L5 AND L7

=> s l7 and l6

L9 8 L7 AND L6

=> s l7 and l4

L10 1 L7 AND L4

=> d l9 1-8 bib,abs

L9 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 2002:748224 CAPLUS

DN 137:264333  
TI Composite sheets for ink-jet printing **fabrics** with good ink absorption properties and printability comprising composites having a **fabric** adhered to a reinforcing release layer by an adherable thermoplastic elastomer fiber nonwoven **fabric**

IN Hatta, Nobuo  
PA Kuraray Co., Ltd., Japan  
SO Jpn. Kokai Tokkyo Koho, 6 pp.  
CODEN: JKXXAF

DT Patent  
LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2002285482	A2	20021003	JP 2001-86593	20010326
PRAI	JP 2001-86593		20010326		

AB The ink-jet printing composite sheets (A) comprise a **fabric** adhered to a reinforcing layer by sandwiching an adherable thermoplastic elastomer fiber nonwoven **fabric** between the **fabric** and the reinforcing layer, or the composite sheets comprise A composite sheets having the **fabric** comprising a polyester **fabric**, or the composite sheets comprise A composite sheets having the thermoplastic elastomer fiber nonwoven **fabric** comprising a melt-blown nonwoven **fabric**, or the composite sheets comprise A composite sheets having the reinforcing layer comprising a **spunbonded** polyolefin nonwoven **fabric** exhibiting stress (S)  $\geq 1.0$  kg/5 cm at stretch 10%, or the composite sheets comprise A composite sheets having the thermoplastic elastomer fiber nonwoven **fabric** comprising a hydrophilized nonwoven **fabric**. A melt-blown nonwoven **fabric** of spun fibers from a blend comprising 60 parts polystyrene-type rubber (Septon) and **polypropylene** (I) and a **spunbonded** I fiber nonwoven **fabric** with S 1.5 kg/5 cm were together embossed at roll temp. 100.degree. and calendered with a woven pongee of PET fibers at calender roll temp. 140.degree. to give a composite sheet showing air permeation rate 2.5 cm<sup>3</sup>/cm<sup>2</sup>-s. The composite sheet was ink-jet printed to give a printed **fabric** exhibiting slight oozing of the ink in the printed portion and showing strength of bonding between the **fabric** and the reinforcing release layer 1.3 kg/5 cm and good release properties of the reinforcing layer..

L9 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 2002:220888 CAPLUS  
DN 136:248996

TI **Spunbonded** and melt-blown multilayer **polypropylene** nonwoven **fabric** for absorbent medical sheets

IN Ishikawa, Masahide; Kurahashi, Akihiko  
PA Idemitsu Unitech Co., Ltd., Japan  
SO PCT Int. Appl., 24 pp.  
CODEN: PIXXD2

DT Patent  
LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002022933	A1	20020321	WO 2001-JP8051	20010917
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

JP 2002088633 A2 20020327 JP 2000-282065 20000918  
 AU 2001088051 A5 20020326 AU 2001-88051 20010917  
 EP 1327713 A1 20030716 EP 2001-967702 20010917

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

PRAI JP 2000-282065 A 20000918  
 WO 2001-JP8051 W 20010917

AB Title multilayer nonwoven **fabric**, contg. both **spun-**  
**bonded** and melt-blown **polypropylene** nonwoven  
**fabric** layers, is characterized by the flexural rigidity/softness  
 (JIS L 1096 6. 19.1 A with 45.degree.-cantilever method) of 70-120 mm and  
 the static friction coeff. of the **spun-bonded**  
**fabric** 0.1-0.4. The nonwoven **fabric** is suitable for the  
 uses as disposable diapers and sanitary napkins.

RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 2001:924065 CAPLUS  
 DN 136:42923  
 TI **Spunbonded** nonwoven **fabrics** containing polyolefin  
 resins for absorbent article  
 IN Ishikawa, Masahide  
 PA Idemitsu Unitech Co., Ltd., Japan; Kurahashi, Akihiko  
 SO PCT Int. Appl., 32 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA Japanese  
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001096641	A1	20011220	WO 2001-JP4984	20010613
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
JP 2002069820	A2	20020308	JP 2000-188726	20000623
JP 2002038364	A2	20020206	JP 2000-225657	20000726
AU 2001064259	A5	20011224	AU 2001-64259	20010613
EP 1357216	A1	20031029	EP 2001-938623	20010613
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY, TR				
US 2003181112	A1	20030925	US 2003-297596	20030516
PRAI JP 2000-176508	A	20000613		
JP 2000-188726	A	20000623		
JP 2000-225657	A	20000726		
WO 2001-JP4984	W	20010613		
AB Disclosed is a <b>spunbonded</b> nonwoven <b>fabric</b> which is made of a polyolefin resin and has an av. fiber diam. of 5-60 .mu.m, a basis wt. of 5-200 g/m2, and a coeff. of static friction of 0.1-0.4; or a <b>spunbonded</b> nonwoven <b>fabric</b> which is made of a <b>polypropylene</b> resin and has a bending resistance [sum of the values for the longitudinal and transverse directions as obtained according to JIS L 1096, 6.19.1, method A (45.degree. cantilever method)] of 70-120 mm and a coeff. of static friction of 0.1-0.4. The nonwoven <b>fabric</b> is suitable for use in an adsorbent, e.g. a disposable diaper, an incontinence pad, or a sanitary napkin. A nonwoven <b>fabric</b> was prepd. from cryst. <b>polypropylene</b> resin, erucic acid amide <b>lubricant</b> , and preservatives.				

RE.CNT 14      THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9    ANSWER 4 OF 8    CAPLUS    COPYRIGHT 2004 ACS on STN  
AN    2001:924064    CAPLUS  
DN    136:58873  
TI    Nonwoven-**fabric** laminate containing polyolefin resins and use  
      thereof  
IN    Ishikawa, Masahide; Kurahashi, Akihiko  
PA    Idemitsu Unitech Co., Ltd., Japan  
SO    PCT Int. Appl., 26 pp.  
      CODEN: PIXXD2  
DT    Patent  
LA    Japanese  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001096640	A1	20011220	WO 2001-JP4983	20010613
	W:				
				AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM	
	RW:			GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG	
	JP 2001355173	A2	20011226	JP 2000-176627	20000613
	AU 2001064258	A5	20011224	AU 2001-64258	20010613
	EP 1298240	A1	20030402	EP 2001-938622	20010613
	R:			AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR	
	US 2003181119	A1	20030925	US 2003-297594	20030506
PRAI	JP 2000-176627	A	20000613		
	WO 2001-JP4983	W	20010613		
AB	Disclosed is a nonwoven- <b>fabric</b> laminate which comprises a <b>spunbonded</b> nonwoven polyolefin resin <b>fabric</b> having an av. fiber diam. of 5-60 .mu.m and superposed thereon a moisture-permeable water-proofing material (a melt-blown nonwoven <b>fabric</b> , microporous resin film, etc.) and in which the <b>spunbonded</b> nonwoven <b>fabric</b> side has a coeff. of static friction of 0.1 to 0.4. A <b>polypropylene spunbonded</b> nonwoven <b>fabric</b> contg. erucic acid amide <b>lubricant</b> was laminated with <b>polypropylene</b> melt-blown nonwoven <b>fabric</b> (Microflex PC 0020).				

RE.CNT 11      THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9    ANSWER 5 OF 8    CAPLUS    COPYRIGHT 2004 ACS on STN  
AN    2001:545937    CAPLUS  
DN    135:108571  
TI    **Spunbonded** nonwoven **fabrics** comprising  
      **polypropylene** fibers with reduced surface coarseness and laminates  
      of the nonwoven **fabrics** with meltblown nonwoven **fabrics**  
      therefrom  
IN    Toriumi, Michio  
PA    Mitsui Chemicals, Inc., Japan  
SO    PCT Int. Appl., 31 pp.  
      CODEN: PIXXD2  
DT    Patent  
LA    Japanese  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI WO 2001053585 A1 20010726 WO 2000-JP219 20000119  
W: CA, JP, US

PRAI WO 2000-JP219 20000119

AB The nonwoven **fabrics** comprise **spunbonded** nonwovens (A) comprising fibers comprising **polypropylene** (I) and having fiber diam. 0.8-2.8 denier, av. frictional coeff. (MIU) 0.1-0.3, thickness uniformity value .ltoreq.0.8, water resistance .gtoreq.60 mmH2O, and air permeation rate .ltoreq.480 mL/cm2-s, or the nonwoven **fabrics** comprise **spunbonded** nonwovens (B) comprising fibers spun from compns. comprising 99.995-99.7% I showing ratio (Mw/Mn) of wt.-av. mol. wt. to no.-av. mol. wt. 1-3.5 as detd. by the gel permeation chromatog. and exhibiting melt flow rate (MFR; ASTM D 1238) at 230.degree. and load 2.16 kg 0.01-300 g/10 min, and 0.005-0.3% hexafluoropropylene-vinylidene fluoride copolymer (II), or the nonwoven **fabrics** comprise A or B **spunbonded** nonwovens having I prepd. using single-site catalysts. The nonwoven **fabrics** are useful for diapers, sanitary napkins, disposable undergarments, and bags for laundries and cosmetics. A compn. comprising metallocene-catalyzed I with MFR 30 g/10 min, m.p. 149.degree., crystn. temp. 108.degree., and Mw/Mn 2.8 and 0.04% (as II) Dynamar FX-9613 (**lubricant** contg. II 90, talc 6, CaCO3 2, silicon oxide 2%) was melt spun, suctioned at 3900 m/min, and piled on a screen belt to give a **spunbonded** nonwoven **fabric** comprising fibers with diam. <2.5 and exhibiting MIU (KES-SE friction tester) <0.27, thickness uniformity value <0.71 as detd. by a specified testing, water resistance (JIS L-1092) >65 mmH2O, and air permeation rate 430 mL/cm2-s and showing soft touch rating (10 panelists) .gtoreq.7 panelists.

RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 1998:304218 CAPLUS  
DN 128:322824  
TI Compositions for permanent hydrophilic treatment of polyolefin fibers  
IN Dzen, Zang-ju; Wild, Christine  
PA Schill & Seilacher G.m.b.H. & Co., Germany  
SO Eur. Pat. Appl., 11 pp.  
CODEN: EPXXDW

DT Patent  
LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 839947	A2	19980506	EP 1997-118710	19971028
	EP 839947	A3	19980819		
	EP 839947	B1	20031029		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	DE 19645380	A1	19980507	DE 1996-19645380	19961104
PRAI	DE 1996-19645380	A	19961104		

OS MARPAT 128:322824

AB The title compns., esp. spinning prepns., which give good cohesion and static resistance, contain 15-75% nonionic surfactants and 85-25% quaternary ammonium compds. and/or polysiloxanes of specified structure. A mixt. of fatty acid esters of ethoxylated MeOH 31.5, bis(2-carboxyethyl)(2-hydroxyethyl)methylammonium methosulfate bis(palm oil acid) ester 48.5, ethoxylated castor oil (cohesion agent) 10, and polyethylene glycol fatty acid ester (emulsifier-lubricant) 10% was applied as a 10% aq. dispersion to a **spun-bonded polypropylene** fiber fleece, giving a product with hydrophilicity (Mahlo) test rating 60 units and sink time 7.8 s; vs. 35 and 3.8, resp., for untreated fleece.

L9 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 1998:214566 CAPLUS

DN 128:271671  
TI Method for manufacture of nonwoven **fabrics** containing long  
fibers  
IN Fujiwara, Toshikatsu; Terakawa, Yasuki; Sugawara, Shigeyuki  
PA Chisso Corp., Japan  
SO Jpn. Kokai Tokkyo Koho, 15 pp.  
CODEN: JKXXAF

DT Patent  
LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 10088459	A2	19980407	JP 1996-240747	19960911
PRAI	JP 1996-240747		19960911		

AB The title **fabrics** with good flexibility and fiber-adhesion strength even at low temp. are manufd. by laying **spun-bonded** core-sheath fibers on a continuous screen conveyor while vacuuming from the back side of the conveyor, then pressing the resulting long-fiber fleece between a nip of emboss roll and flat roll to create point-bonded areas where a mixt. of olefin copolymers (e.g., ethylene-propylene copolymer) or terpolymers (e.g., butene-ethylene-propylene copolymer) having low m.p. or softening point with 2-20% hydrocarbon-based **lubricants** and a cryst. thermoplastic resin (e.g., **polypropylene** and PET polyester) are used as a 1st component and a 2nd component of the core-sheath fibers, resp.

L9 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 1997:251054 CAPLUS

DN 126:278936

TI Disposable nonwoven wiping sheets for mops with good dust adsorption and dust retention properties

IN Inaba, Mihoko; Sakamoto, Noryuki; Kashiwada, Toshinobu

PA Lion Corp, Japan

SO Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 09066014	A2	19970311	JP 1995-248756	19950901
PRAI	JP 1995-248756		19950901		

AB The wiping sheets are prepd. by laminating one or two sides of nonwoven **fabrics** of long fibers with webs comprising hydrophilic fibers and crimpable synthetic fibers (A) to form sheets contg. A fibers having three-dimensional crimps. The materials are optionally treated with dust-control agents comprising 95-70% **lubricants** and 5-30% surfactants to form laminates contg. 1-20% dust-control agents. A **spunbonded** nonwoven **fabric** was laminated on two sides with a carded web comprising 80% spun bicomponent fibers from ethylene-propylene copolymer and **polypropylene** and 20% rayon fibers, sprayed with H2O at 50 kg/cm2 on two sides, dried, and sprayed with a compn. contg. 85% liq. paraffin and 15% polyoxyethylene C12-13-alkyl ether to give a nonwoven sheet contg. 5% dust-control agent and exhibiting good dust adsorption and dust retention properties and good polishing agent absorption and coating properties.

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L10 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1995:713695 CAPLUS

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TI Polyolefin fibers, method of production and **fabrics** from

IN Stahl, G. Allan; McAlpin, James John  
 PA Exxon Chemical Patents, Inc., USA  
 SO PCT Int. Appl., 48 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9428219	A1	19941208	WO 1994-US6017	19940525
	W: AU, CA, CN, JP				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	AU 9469891	A1	19941220	AU 1994-69891	19940525
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	R: BE, CH, DE, ES, FR, GB, IT, LI, NL, SE				
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PRAI	US 1993-66737	A	19930525		
	US 1993-164520	A	19931209		
	EP 1994-918668	A3	19940525		
	WO 1994-US6017	W	19940525		

AB Title fibers comprise reactor-grade polyolefins produced by single-site catalysis. Polyolefins with a melt flow rate of .ltoreq.5000 dg/min and MWD of 1.0-3.5 was also claimed. Isotactic **polypropylene** with MFR 40 produced using a metallocene catalyst, (catalyst prepn. given) was spun at 2000 m/min to give fibers with tenacity of 3.54 g/denier, compared to 1.51 g/denier for a fiber prepd. from Ziegler-Natta catalyst-produced **polypropylene** with MFR 35 spun at 2000 m/min. **Spun-bonded** and melt blown webs were manufd. using **polypropylene** produced by single-site catalysis giving improved web strength and better air filtration properties.